

# **IANA Update** APTLD, Wellington 2006

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Kim Davies

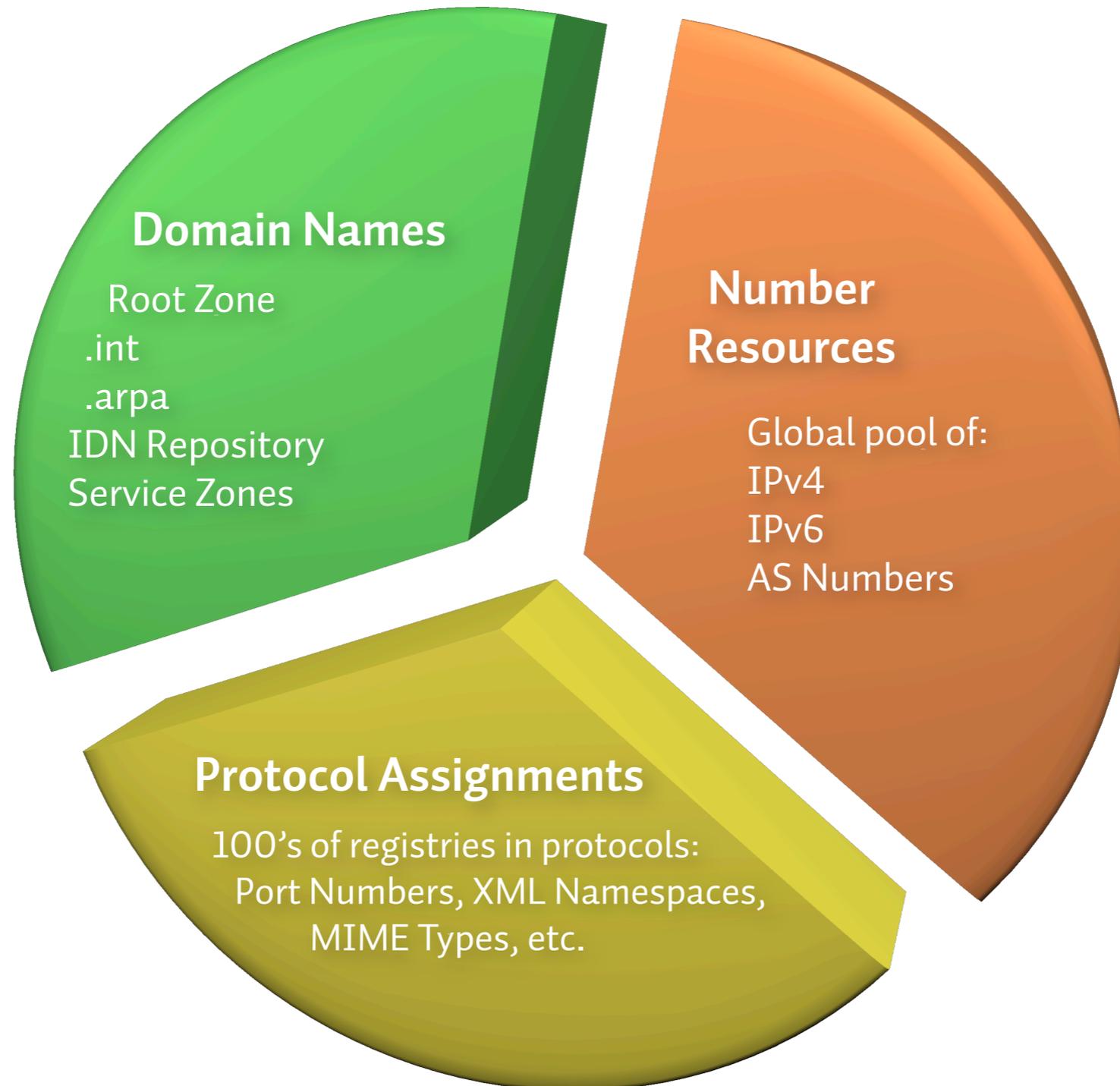
Internet Assigned Numbers Authority



# An introduction

- ▶ The Internet Assigned Numbers Authority
- ▶ Created in 1972 for global Internet coordination
- ▶ Operating unit of ICANN
- ▶ Performed under U.S. Government oversight
- ▶ Apolitical, technical role
  - ▶ Internet works on agreed standards. Others agree them, we record them.

# What do we do?



# Who are we?

IANA is serviced by a small staff, primarily located in Los Angeles, USA:

Yoshiko Chong



David Conrad

Michelle Cotton



Kim Davies

Pearl Liang



Barbara Roseman

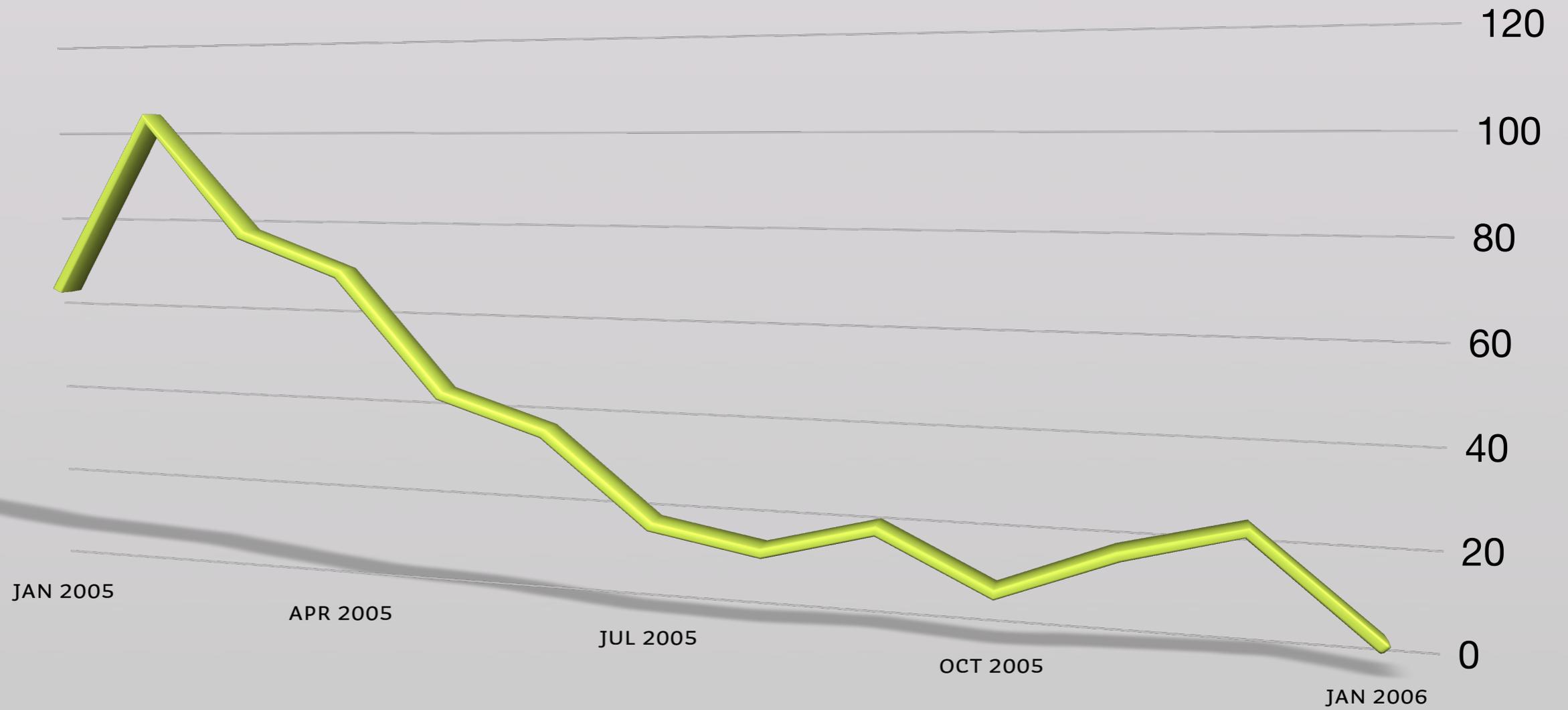
Naela Sarras

... supported by ICANN's various departments (IT, Legal, etc.)

# Root zone management

- ▶ Function of most relevance to ccTLDs
- ▶ Maintain data for the DNS root
  - ▶ Technical data (NS records, “glue”)
  - ▶ Social data (admin and tech contacts, support organisations, WHOIS, Registration URL)
- ▶ Routine changes
  - ▶ Confirm authenticity, check for technical problems
- ▶ Reassignments
  - ▶ Perform evaluation, submit to ICANN board, implement as appropriate.

— Time in Days



# Root Zone Management

Mean time for request completion

**What we are working on**

# Improving Root Zone Management

- ▶ Make processes more efficient
  - ▶ Software automation
  - ▶ Better documentation on processes and procedures
  - ▶ Encouraging policy reviews for grey areas
  - ▶ Better statistical analysis, to identify problems
  - ▶ Working with our 3rd parties to streamline
- ▶ 24×7 Emergency Support
  - ▶ In implementation this week, running ASAP!
- ▶ Improved Case Management
  - ▶ Unified system with all historic records
- ▶ Improved authentication

# Other work

- ▶ Root Zone Management highest profile, but small percentage of IANA work.
- ▶ New systems development in all three sectors
- ▶ Improving web page to tie it all together
- ▶ Recruiting more staff to cope with load
  - ▶ Protocol savvy people wanted (and other roles)
- ▶ Building outreach



## The Internet Assigned Numbers Authority

The Internet Assigned Numbers Authority (IANA) is responsible for the global coordination of the DNS Root, IP Addressing, and other Internet Protocol Resources. Our site is organized into three primary navigational tracks:

### Domain Names



**IANA manages** the DNS Root Zone (assignments of ccTLDs and gTLDs), as well as the .int registry, and the .arpa zone.

[Root Zone Management](#)

[.int Registry](#)

[.arpa Registry](#)

[IDN Practices Repository](#)

### Number Resources



**IANA coordinates** the global IP and AS number space, and allocates these to Regional Internet Registries.

[IP Address Allocation](#)

[AS Number Allocation](#)

[Do you think you are getting attacked by us?](#)

### Protocol Assignments



**IANA maintains** the central repository for protocol assignment registries used in many internet protocols.

[Protocol Registry](#)

[Apply for assignment](#)

Search The Site

# Website Preview

Our trial website is available at  
[test.icann.org](https://test.icann.org)

# **Audience Participation**

# PROJECT 1: Help make our data accurate

- 1) Go to <http://whois.iana.org> in your web browser.
- 2) Type in your TLD
- 3) Check the data is up to date
- 4) Tell me if it is not!

## PROJECT 2: Make IANA easier to use

- 1) Go to <http://test.icann.org> in your web browser.
- 2) Check out the structure
- 3) Email me what you think.

# PROJECT 3: Details for future projects

- 1) Grab your business card.
- 2) Hand it to me!

# What's next, this week?

- ▶ **Monday:** Development work at the ccNSO Meeting
- ▶ **Wednesday:** IANA performance report at Public Forum
- ▶ **All week:** IANA Booth and IANA Staff available
  - ▶ Feel free to come up and talk to me and the others!
  - ▶ Happy to talk about operational issues, or to discuss future work.

# Thankyou for your attention!

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